## HISTORIC AMERICAN ENGINEERING RECORD

HAER VA 67-KILNKI

## INDEX TO PHOTOGRAPHS

TIPERS BRIDGE (Great Wicomico River Bridge) Spanning the Great Wicomico River at Virginia State Route 200 at Glebe Point Kilmarnock Vicinity Northumberland County Virginia		
Photograph	rer: (View 17) L. Daniel Mouer Ph. D. (Views 2, 7 - 9, 17 - 21) L. Daniel Mouer Ph. D. (Views 1, 3 - 6, 10 - 16, 22 - 29) Henry Stindt (Views 30 -37) Virginia Reproduction Supply, Inc.	July 1992 March 1993 June 1993 May 1992
VA-58-1	VIEW SOUTHEAST FROM RIVER, (from left to right) GLEBE POINT, TIPERS BRIDGE; new bridge located in background	
VA-58-2	VIEW NORTHEAST FROM SHORELINE, EAST SIDE OF BRIDGE, CHANNEL OPEN	
VA-58-3	VIEW SOUTHEAST FROM RIVER, CHANNEL OPEN, SWING-SPAN OVER FENDERS; new bridge located in background	
VA-58-4	VIEW EAST FROM RIVER, CHANNEL OPEN, SWING FENDERS; new bridge located in background	G-SPAN OVER
VA-58-5	VIEW EAST FROM RIVER, CHANNEL OPEN, SWING FENDERS; new bridge located in background	G-SPAN OVER
VA-58-6	VIEW WEST FROM RIVER, CHANNEL PARTIALLY OPEN, SWING-SPAN OVER CHANNEL; new bridge located in foreground	
VA-58-7	VIEW SOUTHWEST FROM SHORELINE, EAST SIDE OF BRIDGE	
VA-58-8	VIEW NORTH FROM SOUTHERN FIXED SPAN, FENDER SYSTEM ON WEST SIDE OF SWING-SPAN	
VA-58-9	VIEW SOUTH FROM SHORELINE, EAST SIDE OF BRI SUBSTRUCTURE	DGE,
VA-58-10	VIEW NORTH FROM ROADWAY, BRIDGE DECK, POFENDER SYSTEM; new bridge located on right	ORTAL AND
VA-58-11	VIEW NORTH FROM BRIDGE DECK, BRIDGE DECK AND PORTAL	
(continued)		

VA-58-12	VIEW SOUTH FROM BRIDGE DECK, NORTH PORTAL; new bridge located on left	
VA-58-13	VIEW SOUTH FROM BRIDGE DECK, CHANNEL OPEN, SWING-SPAN OVER FENDER SYSTEM; new bridge located on left	
VA-58-14	VIEW SOUTH FROM BRIDGE DECK, CHANNEL OPEN, SWING-SPAN OVER FENDER SYSTEM; new bridge located on left	
VA-58-15	VIEW NORTH FROM BRIDGE DECK, CHANNEL OPEN, SWING-SPAN OVER FENDER SYSTEM, CONTROL RODS AND WEDGES SHOWN ON DOWNSTREAM SIDE OF SWING; new bridge located on right	
VA-58-16	VIEW NORTH FROM SWING-SPAN DECK, CHANNEL OPEN, FENDER SYSTEM AND ABUTMENT ON CHANNEL END OF NORTHERN FIXED SPAN; new bridge located on right	
VA-58-17	VIEW SOUTH FROM SHORELINE, EAST SIDE OF BRIDGE	
VA-58-18	VIEW NORTH FROM EMBANKMENT OVER SHORELINE, EAST SIDE OF BRIDGE, DETAIL OF SUBSTRUCTURE	
VA-58-19	VIEW NORTHWEST FROM EMBANKMENT OVER SHORELINE, SOUTH ABUTMENT	
VA-58-20	VIEW NORTH FROM SHORELINE, NORTH ABUTMENT	
VA-58-21	VIEW NORTH FROM SAFETY PLATFORM AT FIRST GATE ON SOUTHERN FIXED SPAN, FENDER SYSTEM ON EAST SIDE OF BRIDGE	
VA-58-22	VIEW NORTHWEST FROM WALKWAY TO BRIDGE TENDER'S HOUSE, UPPER CHORDS, DECK, AND FENDER	
VA-58-23	VIEW NORTHWEST FROM WALKWAY TO BRIDGE TENDER'S HOUSE, DETAIL OF UPPER CHORD MEMBER CONNECTIONS	
VA-58-24	VIEW WEST FROM WALKWAY ON FENDER, DETAIL OF EAST SIDE OF NORTHERN END OF SWING AND CHANNEL END OF FIXED SPAN	
VA-58-25	VIEW EAST IN BRIDGE TENDER'S HOUSE, (left) ORIGINAL LEVERS FOR GASOLINE ENGINE OPERATION OF SWING-SPAN, (right) PANEL F ELECTRIC OPERATION OF GATES AND SWING-SPAN; new bridge located in background	

(continued)

Index to Photographs Tipers Bridge (Great Wicomico River Bridge) HAER No. VA-58 (Page 3)

- VA-58-26 VIEW FROM EAST IN BRIDGE TENDER'S HOUSE, LEVERS FOR GASOLINE ENGINE OPERATION FOR BRIDGE AND THEIR CONNECTIONS TO CONTROL RODS ON DOWNSTREAM SIDE OF SWING-SPAN; new bridge located in background
- VA-58-27 VIEW NORTHWEST FROM DECKING ON SOUTHEAST CORNER OF PIVOT PIER, DRIVE SYSTEM FOR SWING-SPAN [INCLUDES: (from left to right) WEDGE DRIVE GEAR BOX, SHAFTS TO WEDGE DRIVE DRIVE, WEDGE DRIVE CRANK SHAFTS, ELECTRIC MOTOR, INTERNATIONAL HARVESTER GASOLINE ENGINE, CONTROL RODS FOR STARTING AND CHOKING ENGINE, PIVOT (bottom center), AND TRACK ON CONCRETE PIER
- VIEW EAST FROM DECKING ON SOUTHWEST CORNER OF PIVOT PIER, DRIVE SYSTEM FOR SWING-SPAN [INCLUDES: (from left to right) ELECTRIC LINE FROM SHORE (bottom left), TRACK AND RAIL ON CONCRETE PIER, ELECTRIC MOTOR, GASOLINE MOTOR, SHAFTS TO WEDGE DRIVE CRANKS, WEDGE DRIVE DRIVE SHAFT, WEDGE DRIVE GEAR BOX, AND (on right) GEARING FOR MANUAL WEDGE DRIVE ACCESSED THROUGH BRIDGE DECK
- VA-58-29 VIEW EAST FROM DECKING ON NORTHWEST CORNER OF PIVOT PIER, DRIVE SYSTEM FOR SWING-SPAN (INCLUDES: (from left to right) BULL WHEEL, GEARING AND DRIVE SHAFTS, INCLUDING MANUAL DRIVE ACCESSED THROUGH BRIDGE DECK, ELECTRIC LINES FROM SHORE, AND TRACK AND RAIL ON CONCRETE PIER